



2143

**PATENT**

Customer No.: 006980

Docket No.: STAT1230

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:

PETITE, Thomas D.

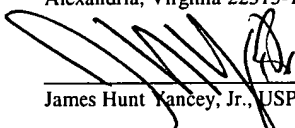
Serial No.: 10/021,100

Filed: 30 October 2001

) Group Art Unit: 2143  
)  
) Examiner: DOAN, Duyen My  
)  
) Confirmation No: 8966  
)  
) Docket No.: STAT1230  
) (formerly 081607-1230  
)

**Title: SYSTEM AND METHOD FOR TRANSMITTING POLLUTION INFORMATION  
OVER AN INTEGRATED NETWORK**

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MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450,  
Alexandria, Virginia 22313-1450 on 8 DECEMBER 2005.

  
James Hunt Yancey, Jr., USPTO Reg. 53,809**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (IDS)****MAIL STOP AMENDMENT****Commissioner for Patents****P.O. Box 1450****Alexandria, VA 22313-1450**

Sir:

In accordance with the continuing duty under 37 C.F.R. §1.56 to disclose to the United States Patent and Trademark Office any information that may be material to patentability of the above-identified invention, enclosed please find form PTO/SB/08A listing references presently known to Applicant relating to the above-identified application.

12/16/2005 GWORDOF1 00000006 201507 10021100

01 FC:1806 180.00 DA


In accordance with current IDS submission rules, Applicant submits paper copies of non-PTO documents. Applicant also previously electronically filed ten electronic information disclosure statements containing PTO documents. The electronic submissions were submitted on 5 December 2005. Applicant notes that reference citation numbers 42-46 and 58-59 are not submitted herewith. Applicant is diligently searching for these references and will provide them in a later submission.

The submission of this information shall not be deemed an admission that this information is necessarily material to the patentability of the above-identified Application. In addition, the submission of this information shall not be construed as a representation that a search has been made.

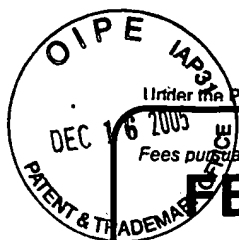
Applicant believes that an IDS fee of \$180 is due for submitting this *Transmittal of Information Disclosure Statement (IDS)* in accordance with 37 C.F.R. § 1.97(c). The Commissioner is authorized to debit the \$180 fee from Deposit Account No. 20-1507. Applicant does not believe that any other fees due, but the Commissioner is authorized to charge such additional fees to Deposit Account No. 20-1507.

Respectfully submitted,

TROUTMAN SANDERS LLP

  
James Hunt Yancey, Jr.  
USPTO Reg. No. 53,809

TROUTMAN SANDERS LLP  
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600 Peachtree Street, N.E., Suite 5200  
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E: hunter.yancey@troutmansanders.com  
**DATE: 8 DECEMBER 2005**



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# FREE TRANSMITTAL

## For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

### Complete if Known

Application Number	10/021,100
Filing Date	10/30/2001
First Named Inventor	Thomas Petite
Examiner Name	Doan, Duyen My
Art Unit	2143
Attorney Docket No.	STAT1230

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 20-1507 Deposit Account Name: Troutman Sanders

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
Extra Claims Fee (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
Extra Claims Fee (\$)

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims Fee (\$)

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_  
Extra Sheets Number of each additional 50 or fraction thereof Fee (\$)

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Late Filing Surcharge for IDS 180.00

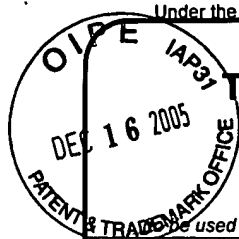
#### SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 53,809	Telephone 404-885-3696
Name (Print/Type)	James Hunter Yancey, Jr.	Date	8 DECEMBER 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**TRANSMITTAL  
FORM**

Use for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/021,100
Filing Date	10/30/2001
First Named Inventor	Thomas Petite
Art Unit	2143
Examiner Name	Doan, Duyen My
Attorney Docket Number	STAT1230

**ENCLOSURES (Check all that apply)**

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify<br>below):<br>59 References; Postcard |
|---|--|---|

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Troutman Sanders LLP		
Signature			
Printed name	James Hunter Yancey, Jr.		
Date	8 DECEMBER 2005	Reg. No.	53,809

**CERTIFICATE OF TRANSMISSION/MAILING**

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Typed or printed name	Candice P. Dysart
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Date	12/8/05
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Sheet	1	of	9
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1	of	9
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**Complete if Known**

Application Number	10/021,100
Filing Date	10/30/2001
First Named Inventor	Thomas Petite
Art Unit	2143
Examiner Name	Doan, Duyen My
Attorney Docket Number	STAT1230

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> ~Number <sup>4</sup> ~Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	6	EP0718954	06/26/1996	SGS-Thomson Microelectron		
	7	EP07144	02/25/1998	Laserline SpA		
	8	EP1096454	05/02/2001	TRW Inc.		
	9	FR2817110	05/24/2002	Manufacture D'Appareillag		
	10	GB2229302	09/19/1990	Advanced Technology...		
	11	GB2247761	03/11/1992	Leslie Keith Davies		

Examiner Signature		Date Considered	
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**(Use as many sheets as necessary)**

Sheet	2	of	9
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**Complete if Known**

Application Number	10/021,100
Filing Date	10/30/2001
First Named Inventor	Thomas Petite
Art Unit	2143
Examiner Name	Doan, Duyen My
Attorney Docket Number	STAT1230

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		Country Code <sup>3</sup> ~Number <sup>4</sup> ~Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	12	GB2297663	08/07/1996	The General Electric Co.		
	13	GB2262683	06/23/1993	British Aerospace Space		
	14	GB2310779	09/03/1997	Linburg Ltd.		
	15	GB2326002	12/09/1998	Centrepoint Technology...		
	16	GB2336272	10/13/1999	Smoothing Investment...		
	17	GB2352004	01/17/2001	Donald George Mackenzie		

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	3	of	9
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**Complete if Known**

Application Number	10/021,100
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First Named Inventor	Thomas Petite
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[illegible]

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	18	GB2352590	01/31/2001	Fusion Meters Limited		
	19	JP01255100	10/11/1989	Fuji Electric Co.		
	20	JP11353573	12/24/1999	NTT Electronics Corp.		
	21	JP2001063425	03/13/2001	Ikeda Bussan Co. Ltd.		
	22	JP2001088401	04/03/2001	Canon Inc.		
	23	JP2001357483	12/26/2001	Omron Corp.		

Examiner Signature		Date Considered	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	4
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4

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9

19

Application Number	10/021.100
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Filing Date	10/30/2001
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First Named Inventor	Thomas Petite
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Art Unit	2143
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Examiner Name	Doan, Duyen My
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Attorney Docket Number	STAT1230
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		Country Code <sup>3</sup> ~Number <sup>4</sup> ~Kind Code <sup>5</sup> ( <i>if known</i> )				
	24	JP2001309069	11/02/2001	Ricoh Elemex Corp.		
	25	JP2002085354	03/26/2002	GE Medical Systems...		
	26	JP2002007672	01/11/2002	NEC Corp.		
	27	JP2002171354	06/14/2002	Toyo Keiki Co. Ltd.		
	28	JP2002007826	01/11/2002	NEC Corp.		
	29	JP60261288	12/24/1985	Meisei Electric Co. Ltd.		

Examiner Signature		Date Considered	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5

5

of

19

Application Number

10/021,100
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Filing Date

10/30/2001

**First Named Inventor**

Thomas Petite

Art Unit

2143

**Examiner Name**

Doan, Duyen My
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Attorney Docket Number

STAT1230

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[illegible]

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	30	JP2001319284	11/16/2001	Aichi Tokai Denki Co...		
	31	JP200113590	04/21/2000	Pioneer Electric Corp.		
	32	WO 90/13197	11/01/1990	Guardian Technologies...		
	33	WO 98/00056	01/08/1998	Vitalcom, Inc.		
	34	WO 98/37528	08/27/1998	Northrop Grumman Corp.		
	35	WO 01/15114	08/21/2000	Digiterm Ltd.		

Examiner Signature		Date Considered	
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Filing Date	10/30/2001
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First Named Inventor	Thomas Petite
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Art Unit	2143
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Examiner Name	Doan, Duyen My
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Attorney Docket Number	STAT1230
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Sheet	6	of	9
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> ~Number <sup>4</sup> ~Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	36	WO 01/24109	04/05/2001	Moore North America, Inc.		
	37	WO 02/08725	01/31/2002	Automated Meter Reading..		
	38	WO 02/08866	01/31/2002	Itron, Inc.		
	39	WO 02/052521	07/04/2002	Schlumberger Ind. et al.		
	40	WO 03/007264	01/23/2003	Horst Ziegler		
	41	WO 03/021877	03/13/2003	Wireless Reading Systems		

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**Complete if Known**

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Attorney Docket Number	STAT1230

*(Use as many sheets as necessary)*

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		Country Code <sup>3</sup> ~Number <sup>4</sup> ~Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	42	KR2001025431	04/06/2001			
	43	FR WO02/052521	07/04/2002			
	44	DE WO03/007264	01/23/200			
	45	NO 03/021877	03/13/2003			
	46	WO 99/13426	03/18/1999			

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		Application Number	10/021,100
		Filing Date	10/30/2001
		First Named Inventor	Thomas Petite
		Art Unit	2143
		Examiner Name	Doan, Duyen My
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	47	WESTCOTT, Jil et al., "A Distributed Routing Design For A Broadcast Environment", IEEE 1982, pages 10.4.0 - 10.4.5	
	48	KHAN, Robert E. et al., "Advances in Packet Radio Technology", IEEE November 1978, Vol. 66, No. 11, pages 1468-1496	
	49	FRANKEL, Michael S., "Packet Radios Provide Link for Distributed, Survivable C3 in Post-Attack Scenarios", MSN June 1983	
	50	LAUER, Greg et al., "Survivable Protocols for Large Scale Packet Radio Networks", IEEE 1984, pages 15.1-1 to 15.1-4	
	51	GOWER, Neil et al., "Congestion Control Using Pacing in a Packet Radio Network", IEEE 1982, pages 23.1-1 to 23.1-6	
	52	MacGregor, William et al., "Multiple Control Stations in Packet Radio Networks", IEEE 1982, pages 10.3-1 to 10.3-5	
	53	SHACHAM, Nachum et al., "Future Directions in Packet Radio Technology", IEEE 1985, pages 93 - 98	
	54	JUBIN, John, "Current Packet Radio Network Protocols", IEEE 1985, pages 86 - 92	
	55	WESTCOTT, Jill A., Issues in Distributed Routing for Mobile Packet Radio Network," IEEE 1982, pages 233 238	
	56	LYNCH, Clifford A. et al., Packet Radio Networks, "Architectures, Protocols, Technologies and Applications,"	

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Sheet 9	of 9	Attorney Docket Number	STAT1230

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	57	BROWNRIGG, Edwin, "User Provided Access to the Internet," Open Access Solutions, <a href="http://web.simmons.edu/chen/nit/NIT'92/033-bro.htm">http://web.simmons.edu/chen/nit/NIT'92/033-bro.htm</a> , 06/08/05 - 06/09/05	
	58	KHAN, Robert E., "The Organization of Computer Resources into a Packet Radio Network," IEEE, January 1977, Vol. Com-25 No. 1, pages 169-178	
	59	WESTCOTT, Jill A., "Issues in Distributed Routing for Mobile Packet Radio Network," IEEE 1982, pages 233-238	

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